

Amendments to the Specification

The following is a replacement section for the specification including markings showing the changes made relative to the immediate prior version.

Replace section (00095) beginning on page 58 and ending on page 59 with the following section:

(00095) It is seen from the above that a wind turbine having an outer rim of 10ft diameter in the wind energy conversion system has the same magnetic flux peripheral velocity at 180 rpm as the conventional generator with the 2ft diameter armature running at 900 rpm, and further there is five times the number of turns of wire in the stator coil for the 10ft diameter outer rim. A wind energy conversion system having a wind turbine with a 10ft diameter outer rim and a full rim stator coil therefore needs to turn only $180 \text{ rpm} \div 5 \times \text{the turns} = 36 \text{ rpm}$ as seen in Table B. In addition, the wind turbine of the wind energy conversion system may include five times the number of rotor elements or permanent magnets along its outer rim thereby increasing the flux crossing the stator coils so that rotating a 10ft diameter outer rim at 7.2 rpm generates the same power as the conventional generator having the 2 ft diameter armature running at 900 rpm as exhibited in the following Table C showing the rotational speed needed for 10ft., 15ft., 20ft., 25ft., 30ft., 35ft., 40ft., and 45ft. diameter outer rims to generate the same power as the conventional generator.

TABLE C

<u>Diameter</u>	<u>Rpm</u>
10	7.2
15	4.8 <u>2.13</u>
20	3.6 <u>0.90</u>
25	2.9 <u>0.46</u>
30	2.4 <u>0.27</u>
35	2.1 <u>0.17</u>
40	1.8 <u>0.11</u>
45	1.6 <u>0.08</u>